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DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350 -2000

IN REPLY REFER TO

OPNAVINST 4490.2C
OP-111E
20 December 1985

OPNAV INSTRUCTION 4490.2C

From: Chief of Naval Operations

Subj: AVAILABILITY OF OPERATIONAL EQUIPMENT AND TECHNICAL (R)
MANUALS FOR TRAINING PURPOSES

Ref: (a) OPNAVINST 1500.8L (NOTAL) (A)
(b) OPNAVINST 1500.11G (NOTAL) (A)
(c) SECNAVINST 5000.1B (NOTAL) (A)
(d) SECNAVINST 5000.39A (NOTAL) (A)

Encl: (1) Definitions

1. Purpose. To state policy and assign responsibilities for (R)
planning and providing operational equipment and technical
manuals for purposes of training (other than training aircraft
and expendable ordnance).

2. Cancellation. OPNAVINST 4490.2B

3. Background. Trained operator, maintenance and support (R)
personnel are essential to the proper care and operation of
equipment and systems. Such personnel are required so that
equipment can perform reliably and units can achieve and
maintain satisfactory readiness and safety standards. Personnel
trained properly in operation, maintenance, employment and
support (as delineated for new developments in references (a)
and (b)), must be available when installed equipment is ready
for operational use and throughout the system's life.

4. Policy. The availability of operational equipment and (R)
technical manuals for training purposes shall be assigned the
highest priority when acquiring a system that will be manned and
operated by Navy personnel. Initial production equipment and
associated technical manuals for a new system will be provided
to the training command.

5. Definitions. Broad definitions of selected terms are (A)
provided in enclosure (1). Amplifying responsibilities for
development activities, training agents, and training support
agents are provided in reference (a).

6. Discussion

a. Applicability. Fleet personnel will normally operate, (R)
maintain, employ, and support production equipment. Plans for
new equipment, developed in accordance with references (c) and

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(d), must provide for delivery and installation of operational equipment (technical training equipment (TTE)) and technical manuals at training sites preceding deliveries to operational units. The schedule must be planned so that trained personnel will be available to the first operational unit. Any deviations from the policy of providing initial operational equipment and technical manuals to the training command must be endorsed by the Deputy Chief of Naval Operations (Manpower, Personnel and Training) (OP-01) and approved in writing by the OPNAV resource sponsor. The availability of operational equipment and technical manuals for training purposes must be assured.

R) b. Scope. This instruction has been coordinated with Headquarters, U. S. Marine Corps, and applies to all operational equipment and technical manuals developed and acquired for Department of the Navy use, except for those programs funded directly from Marine Corps appropriations. In accordance with the responsibilities set forth in Presidential Executive Order 12344 of 1 February 1982, as codified in Public Law 98-525 dated 19 October 1984, the Department of Energy has cognizance over the development of training systems used in the training of naval nuclear propulsion plant operators. Accordingly, equipment and technical manuals for such training are not covered by this instruction. The policy of providing initial operational equipment and technical manuals to the training command pertains to items which are required to train personnel in the operation, maintenance, employment and support of that equipment. This policy is also applicable, but not limited to:

R) (1) Operational equipment required for association with or incorporation into a training device.

(2) Auxiliary, ancillary, and special test equipment, special tools, and spare/repair parts necessary in conjunction with the principal equipment being provided for training.

(3) Field changes, modifications, and alterations to operational equipment for which personnel must be trained to operate, maintain, employ and/or support.

(4) Equipment from ship/aircraft inactivations which is required for training.

R) (5) Initial allowance of replacement/repair parts required to restore training equipment after material casualty.

R) (6) Operational equipment and technical manuals required to meet expanding training requirements or to provide sustaining replacement personnel training.

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(7) Operational equipment required for training of Naval Reserve personnel, as approved by the Chief of Naval Operations (CNO).

(8) General Purpose Electronic Test Equipment (GPETE).

(9) Software which is an integral part of production equipment. (A)

7. Responsibilities

a. Chief of Naval Operations

(1) Deputy Chief of Naval Operations (Manpower, Personnel and Training) (OP-01). Direct application of this policy; provide procedural guidance when necessary, and endorse (as warranted) any requests for deviation from the policy of providing the first production operational equipment and technical manuals to the training command. (R)

(2) Deputy Chiefs of Naval Operations and Directors of Major Staff Offices. Ensure that the necessary operational equipment and technical manuals to support training requirements are included in program, procurement, and funding plans, in accordance with the policies and procedures of this instruction. Resource sponsors must approve (as warranted) requests for deviation and develop alternative training plans when diversions of operational equipment and technical manuals are authorized. (R)

b. Systems Commands and other Principal Development Activities (Training Support Agents) (A)

(1) Provide the CNO and the Training Agent with adequate information to enable timely determination of the training requirement and operational equipment/technical manual requirements for training. (R)

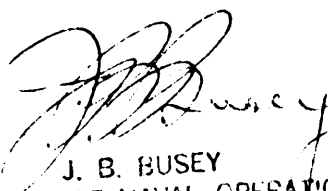
(2) Establish and maintain the necessary procedures and program/funding priorities to ensure the timely availability of operational equipment and technical manuals to meet training requirements. (R)

c. Training Agent. Review information provided by the Principal Development Activities (Training Support Agents), assess the quantities of operational equipment and technical manuals required for training, and advise the CNO and Principal Development Activities of requirements for inclusion in development and procurement plans and actions. Recommend (R)

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applications of or exceptions to the policies of this instruction, as appropriate.


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VICE CHIEF OF NAVAL OPERATIONS

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DEFINITIONS

(A)

1. Principal Development Activity (PDA) - The agency assigned by the DCNO/DMSO resource sponsor to undertake the management and technical responsibility of the development effort, including timely budgeting for an allocation of resources within the approved plan. (A)
2. Technical Training Equipment (TTE). Training equipment for which PDAs or Systems Commands have the responsibility for the design, development, modernization, or selection for service or special use. (A)
3. Training Agent (TA). An office, bureau, command or headquarters exercising command of and providing support to some major increment of the Navy's formalized training effort; e.g., Chief of Naval Education and Training, Fleet Commanders in Chief, Commander, Naval Medical Command, and Chief of Naval Reserve. (A)
4. Training Equipment. Equipment designed for operational purposes which is the subject of instruction or which is used by the instructor or student as an element of the process of teaching or learning; and which has or had as its prime or initial purpose for existence some function other than that of training personnel; and which, in order to achieve its prime purpose, requires that training be provided for the personnel who are associated with it for its prime purpose. (A)
5. Training Simulator/Device. Hardware and software which have been designed or modified exclusively for training purposes involving, to some degree, simulation or stimulation in its construction or operation, so as to demonstrate or illustrate a concept or simulate an operational circumstance or environment. (A)
6. Training Support Agent (TSA). An office, bureau, command or headquarters responsible for supporting the training agent by providing material and other forms of support within the cognizance of the office, bureau, command, or headquarters involved. (A)